

## M 5.6, 101km SSW of San Patricio, Mexico

Origin Time: 2020-01-10 15:21:21 UTC (Fri 08:21:21 local)

Location: 18.4552° N 105.2328° W Depth: 10.0 km

Created: 4 weeks, 1 day after earthquake

### Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



### Estimated Economic Losses

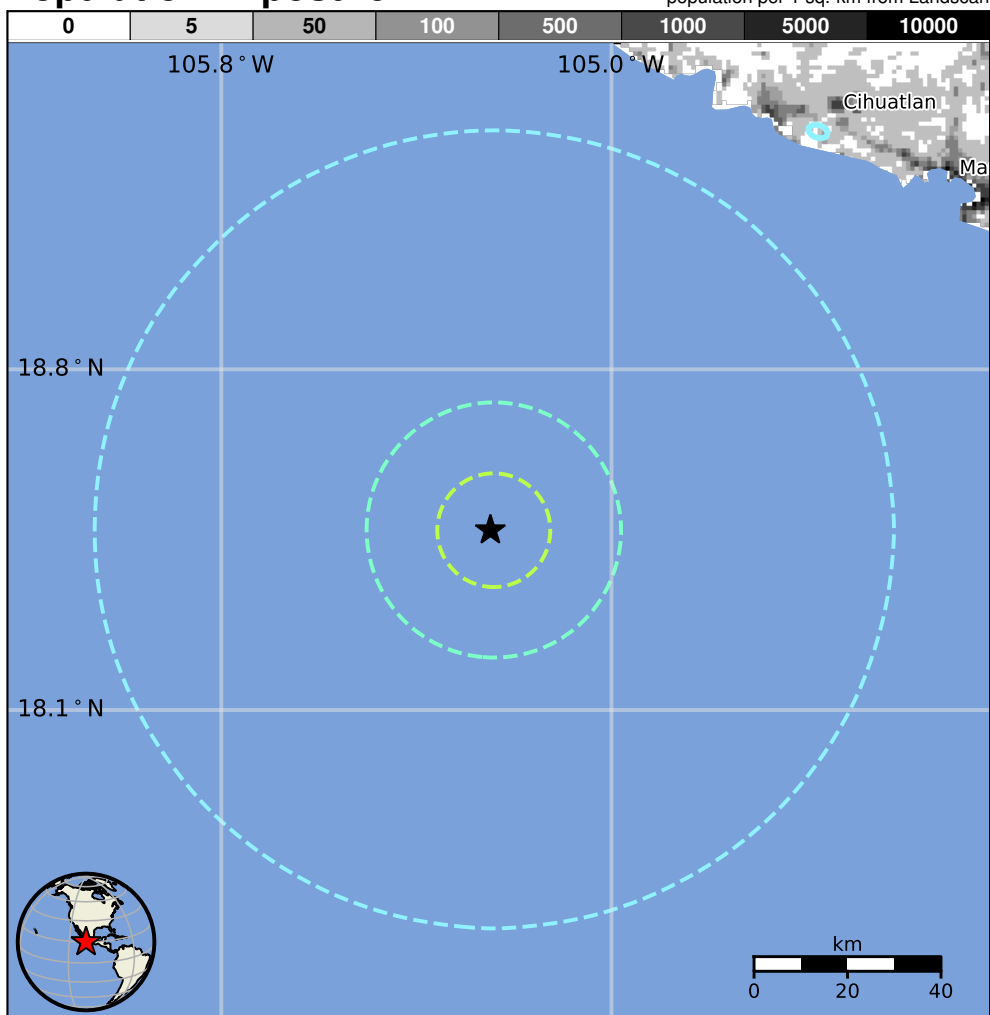


### Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	154k*	66k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

### Population Exposure



### Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and adobe block with concrete bond beam construction.

### Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2003-01-22	133	7.5	VII(300k)	29
1997-01-11	257	7.1	VIII(13k)	1
1985-09-19	302	8.0	VII(309k)	10k

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

### Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Jaluco	3k
IV	San Patricio	7k
IV	<b>Manzanillo</b>	<b>111k</b>
III	<b>Manzanillo</b>	<b>130k</b>
III	Emiliano Zapata (El Ranchito)	2k
III	<b>Cihuatlan</b>	<b>17k</b>
III	Tapeixtles	<1k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us70006xjw#pager>

bold cities appear on map.

(k = x1000)

Event ID: us70006xjw